

WORLDSTAGE

MANAGEMENT





Description

The HDX-W20 FLEX is the most compact rugged projector that offers 20,000 lumens light output currently available.

One of its most striking features is that it is standard equipped with the light-on-demand option for flexible light output.

20,000 lumens, WUXGA, 3-chip DLP projector with standard light-on-demand

- Flexible brightness as standard
- Compact and sturdy design
- Active 3D, quick preview, & wireless control



HDX W20 FLEX



Choose your brightness

Thanks to the light-on-demand feature, you can fully tune the light output of the projector As per your events requirements.

It can be programmed to a light output Of 10,000 - 20,000 lumens in 2,000 incremental steps.

You now have the flexibility to offer Your Event the light output they want.



Flexible scaling

Building on Barco's renowned ImagePRO series with Athena™ scaler,

the HDX is equipped with on-board image processing for unlimited and flexible scaling. This boosts creativity and minimizes the time it takes to get sources on screen.

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HDX W20
FLEX



Quick preview and wireless control

The HDX-W20 FLEX's built-in color LCD screen provides you with all the information you need on your projector's status & allows you to preview your connected sources.

Whether from one central PC or via the Android projector control app for smartphone or tablet computer, you remain connected to the HDX at all times.

3G/BarcoLink compatibility

The HDX-W20 FLEX has a native 3G HDSDI/SDI input, which makes it compatible with progressive HD sources over a single BNC cable.

This also means that the HDX allows for digital inputs that don't come through fragile DVI fiber cables. What's more, the projectors also feature BarcoLink, enabling progressive WUXGA 50/59.94/60 Hz signal distribution over a single BNC coax cable.

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**HDX W20
FLEX**



Compact projector with just five building blocks

As the HDX-W20 FLEX is the smallest and lightest 20K lumens projector on the market, it can easily be boxed and shipped, & it fits into standard flight cases. It features just five building blocks that can be removed and replaced quickly.

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**HDX W20
FLEX**

Projector type : WUXGA 3-Chip DLP digital projector
Technology : 0.96" DMD x 3
Resolution : 1,920 x 1,200
Light output : 20,000 center lumens

Contrast ratio : 1,850:1 (standard) - 2,600:1 (high contrast mode)
Brightness uniformity : 90%
Aspect ratio : 16:10
ScenergiX : horizontal and vertical edge blending
Lens type : TLD +
Lens range : 0.73:1 ; 1.2:1 ; 1.25-1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ;
2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1

Optical lens shift
Vertical : -30% to +120%
Horizontal : -40% to +40% on zoom lenses (memorized)

Color correction : P7
Lamps : 2.5 kW Xenon
Lamp lifetime (typical) : 1,000 hours

Transport with lamp : Yes
Lamp house, quick replace : Yes
Customer bulb replace : Yes

Lamp warranty
(field replace/ factory replace) : 90 days, 500 hours/pro rata 750 hours



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HDX W20 FLEX

Sealed DLP™ core : Standard
Optical dowser : Standard
Picture-in-picture: Two sources simultaneously

Orientation :
Table - ceiling - side (portrait)* - vertical
* lamp door down/bottom

DMX 512 : Standard
WARP : direct adjust OSD + toolset
Integrated web server :Yes
CLO (constant light output) :standard

3D
active eyewear (optional),
passive Infitec (optional),
passive circular (optional),
triple flash up to 200Hz

* (+/- 10%)



Inputs

DVI- I (HDCP including analog RGB YUV) /
SDI/HDSDI/dual HDSDI/3G/BarcoLink

Optional Inputs

5-BNC RGBHV (RGBS/RGsB, YUV CS/SOY,
Composite video, S-Video);
DVI - I (HDCP including analog RGB YUV)
+ BarcoLink/SDI/HDSDI/dual HDSDI/3G;
3D active input (HDMI/ DisplayPort) feat. SENSIO 3D

Input resolutions : From NTSC up to QXGA(2048 x 1536)

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HDX W20 FLEX



Max. pixel clock: 200 Mhz
Software tools: Projection Toolset + Android app
Control : XLR wired + IR, RS232, Wifi, GSM (opt)

Network connection :
10/100 Base-T, RJ-45 conn, Wifi (optional)
AC power : 200-240 V / 50-60 Hz
Power consumption : 2,850 W / STBY<8W

Noise level (typical at 25°C/77°F) : 53 dB (A)
Operating temperature : 0 ~ 40°C / 32 ~ 104°F
Operation humidity no condens : 0% - 80%
Dissipation BTU : Max. 9,725 BTU/h
Dimensions (WxLxH) : 475 x 725 x 382 mm (18.70" x 28.54" x 14.96")

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HDX W20 FLEX

Weight : 50kg (110lbs)

Shipping Dimensions:

(LxWxH) 900 x 650 x 560 mm (35.43" x 25.59" x 22.04")

Standard accessories :

Power cord; wireless/XLR wired rugged remote control

Certifications :

Compliant with UL60950-1 and EN60950-1,
complies with FCC rules & regulations,
part 15 Class A and CE EN55022 Class A, RoHS

Warranty:

3 years standard, extendable up to 5 years



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HDX W20 FLEX

Full-sized Event Master processor

- Native 4K input and output supported
- Full show control in a single box
- Intuitive user interface



Description

E2 presentation system provides superior image quality, exceptional input & output density, great expandability & durability.

Supporting native 4K input & output, it is the first & only screen management system on the market that can manage a 4K projector blend with refresh rates up to 60Hz.

It offers eight mixable PGM outputs & four scaled Aux Outputs for full show control with a single box.

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E2



Native 4K input and output

With native 4K input and output, E2 provides impressive pixel processing power. Whether native or scaled inputs,

Two connectors or four, This HDCP-compliant system manages it all.

With 28 inputs and 14 outputs (8 PGM, 2 Multi-viewer & 4 scaled Aux outputs),

E2 system offers full show control, Including eight independent PIP mixers & a dedicated Multiviewer.



Thanks to its linkable chassis, It can easily expand beyond these eight outputs without the need for additional external processing & routing to distribute the signals.

And as it's inputs & layers can also be expanded, The E2 will be capable of managing a blended screen with up to 32 4K projectors in the future.

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E2



Simple servicing and control

The E2 comes with a straightforward crossplatform user interface that provides touchscreen ergonomics. As the presets are stored on the chassis it enables easy control via thirdparty systems.

Multiple users can control the system simultaneously, & the API allows thirdparty developers to create custom control programs and interfaces.

Thanks to its modular design, users can simply add a new input or output card to support future signal interfaces.

This modularity also ensures great serviceability, as users can easily swap a specific input or output card in the case of damage, without needing to ship or replace the entire box.

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Designed for life on the road

Designed for the live event industry, the rugged E2 features a steel chassis that's able to withstand the challenging conditions of life on the road.

What's more, it offers screen control in a compact form factor of only four rack units, which makes it easy to ship and install. And thanks to its modular cards and dual redundant power supplies, the E2 is extremely reliable and easy to service in the field.

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Layers, layers, layers

The E2 offers an extremely flexible layer management system. The E2 starts with a pixel perfect, full resolution, unscaled background layer that is the same resolution as the screen destination. As an unscaled mixing background layer it does not use any of the valuable scaling layers.



With up to 32 layers available in HD, the E2 can customize the layer configuration to meet the needs of your application.

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E2

The layers provide either pip or key effects, & can be configured for HD, Dual Link (2560x1600 or 3840x1200 max), or 4K resolutions. Each destination gets dedicated layers, so you know exactly how many resources are available.



The layers can also be configured as single layers with cut transitions, or two of the scalers can be combined to create a mixing layer.

Each destination can support a combination of mixers, single layers, pips, keys, and various sizes of layers, all to create a single composited image on the screen

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Video Inputs

28 inputs via 8 input cards (Event Master series cards)
Up to 8 x 4K inputs - each input card supports up to 4K@60p
8 x SD/HD/3G SDI (6G ready)
8 x HDMI 1.4a (297 Mpix/sec max)
8 x DisplayPort 1.1 (330 Mpix/sec max)
4 x Dual Link DVI (330)

Video Outputs

14 outputs via 4 output cards (Event Master series cards)
Up to 3 x 4K outputs - each output card supports up to 4K@60 p
4 x SD/HD/3G SDI (6G ready)
8 x HDMI 1.4a (297 Mpix/sec max)
2 x HDMI 1.4a for Multiviewer (297 Mpix/sec max)

Genlock Analog reference input/loop on BNC connectors;
bi-level and blackburst at SD and tri-level at HD
S3D Sync: 4x input Din connector, 2x output Din connector

Program Output

8 program outputs configurable as single screens
or tiled/blended widescreens
Configurable from 8x 2048X1200@60 max to 2 x 4096x2400@60 max
Independent edge blending/feathering control for all four sides

Scaled Aux outputs User definable from 4 x 2048x1200@60 to 1 x 4K@60
All outputs can be defined as Aux destinations for a total of 12 Aux outputs
Output color correction

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Mixers

Native resolution background mixer per output screen
Independent layer transitions
or full Preview/Program transition
Flexible layer allocation – up to 16 mixable or 3
2 single scalable PIP/key layers assignable to
Program output screens

Still Stores Up to 100 HD stills available in background, Aux or PIP

Layer Effects

- Borders (hard, soft, halo) and drop shadows
- Color effects
- Strobe, H&V flip
- Luma key
- PIP moves via Keyframes

Multiviewer

Flexible user-definable layouts.
Monitor all Inputs and Outputs, including Preview and Aux .Two outputs.
Dedicated hardware same E2 Event Master Processors.

Expandability

Easily expandable for larger display applications via proprietary links
Link units to increase available Inputs &
Outputs for larger tiled/blended widescreen applications
Expansion via simple linking - up to 2 chassis
E2 ships with the ability to link 2 chassis for expansion.
Linking additional chassis will be available in a future software release.

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E2

HDCP HDCP compliant

Control

Event Master screen management software for PC or MAC
Ethernet RJ-45, 1000/100/10 Mbps autosense

Serviceability

Field-Serviceable I/O & processing cards (not hot-swappable)
Hot-swappable dual-redundant power supplies

Dimensions

Height: 17.8 cm (7.0 in) - 4 RU rackmount
Width: 43.2 cm (17 in) without chassis handles,
48.3 cm (19 in) with chassis handles attached
Depth: 56.9 cm (22.4 in) from front panel to rear panel,
62.2 cm (24.5 in) overall



Weight 31 kg / 68 lbs

Power

Input power: 100-240 VAC 50/60Hz 700W
Dual-redundant, hot-swappable power supplies

Environmental temperature 0-40° C / 32-104 F

Environmental humidity 0-95% non-condensing

Warranty 3 years parts and labor

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E2



Description

The Event Master EC50 event controller delivers instant access and great situational awareness for everything from trade show booths to large corporate events and even music tours. Its small footprint makes it suitable for most control environments, while simultaneously packing all the power and durability needed for instant access to crucial functions. As an extension of the Event Master toolset, the EC50 brings sources, presets, layers, and destination selection at your fingertips, along with a second, touch-enabled display.

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EC-50

Specification

- . Costeffective alternative to a full sized controller
- . Full control USB device for Event Master GUI
- . Internal 15.6inch wide touch screen with 10 point multitouch
- . 36 assignable buttons with customizable LCD display
- . 8 dedicated layer selection buttons and dedicated background layer button
- . 12 userdefinable destination buttons with multipage functionality
- . Highresolution TBar
- . Autoranging mains input (90250 VAC)

Connectivity

USB connection from Event Master Toolset,
from a control computer DVI input for touchscreen monitor



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EC-50

The New Dataton WATCHOUT

Is the leading multi-display production and presentation system.
Use it to create stunning collages combining images, video, lighting,
3D and interactivity. Present your shows using projectors for large, seamless images.
Hook up WATCHOUT to monitors, LED walls or other creative screen arrangements.
Or project onto complex three-dimensional objects using the new 3D video mapping capabilities

New released

Dataton WATCHOUT version 6.1.5.
Supported 4k / High Resolution 6 Channels
This version includes improved
live video capture and
improved playback performance
with WATCHPAX

Description : WATCHOUT

MULTI DISPLAY SOFTWARE

From the smallest conference gig all the way to **mapping**
the most Famous **buildings** in the world,
WATCHOUT's got you covered with
over 15 years of unrivaled performance and reliability.



Features Two individuals

- Analogue / Digital
- Voice Communications
- Dual Capacity Direct Mode1
- Digital Mobile Radio (DMR) Standards Compliant1
- Transmit Interrupt (Decode Only)1
- Basic Privacy1
- Voice Announcement
- IP54 Rated
- Radio Management Suite Compatible

Description

You want to connect your workforce as efficiently as possible. You expect your radios to be affordable but flexible, so they can evolve with you. Now there's a portable that gives you greatvoice communications today, and a path to crisp and clear digital voice communications when you're ready.

**MOTOTRBO™ DP1400
PORTABLE RADIO**

Versatile and powerful, MOTOTRBO™ combines the best of two-way radio functionality with the latest analogue and digital technology. The MOTOTRBO portfolio offers the right device for the right user, from voice-only portables to feature-rich voice and data radios.

The rugged MOTOTRBO DP1400 is available as an analogue/digital radio that offers all the benefits of the latest technology – from superior audio to greater coverage to longer battery life. This affordable portable is compatible with advanced MOTOTRBO features you'll find are business-essential, for example a transmission can be interrupted to prioritise critical communications.

You can also choose the analogue-only DP1400 radio and unlock the capabilities of digital when the time is right: all you will need is a simple software upgrade. And whichever model you choose, the DP1400 will work seamlessly with the radios you have today.

Now you can improve the efficiency of your operation with easy-to-use voice communication that's right for you.



**MOTOTRBO™ DP1400
PORTABLE RADIO**

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Thank You

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VISUALISE
CREATE
EXECUTE